

Supplementary Table S2. Marker-trait association analysis and clinical parameters of the Baltic male cohort sample stratified based on the *FSHB* -211G/T (rs10835638) genotypes of the participants.

Parameter ^b	<i>FSHB</i> -211 G/T	Baltic male cohort ^a		
		mean ± SD median (5-95)	P-value	beta (SE) ^c
FSH (IU/L)	G/G	3.2 ± 1.7 2.9 (1.3 – 6.5)		
	G/T	2.7 ± 1.5 2.3 (1.1 – 5.6)	0.0000051*	-0.39 (0.09)
	T/T	2.4 ± 1.3 2.4 (0.9 – 6.1)		
LH (IU/L)	G/G	4.0 ± 1.6 3.8 (1.8 – 6.9)		
	G/T	4.1 ± 1.6 3.8 (1.7 – 7.1)	0.38	0.09 (0.11)
	T/T	5.2 ± 2.4 4.3 (2.5 – 11.9)		
Inhibin B (pg/mL)	G/G	234.4 ± 78.5 226.5 (118.2 –		
	G/T	380.7 217.0 ± 76.5	0.0011*	-16.21
	T/T	208.0 (106.3 – 361.7) 184.9 ± 84.3		(5.21)
		160.5 (77.0 – 361.0)		
Total testosterone (nmol/L)	G/G	27.8 ± 9.1 26.9 (15.0 – 44.1)		
	G/T	26.4 ± 9.3 25.0 (13.7 – 45.6)	0.0075	-1.56 (0.61)
	T/T	24.9 ± 7.7 27.3 (11.7 – 34.6)		
Estradiol (pmol/L)	G/G	93.9 ± 25.1 90.0 (59.0 – 141.0)		
	G/T	92.8 ± 24.9 90.0 (57.3 – 138.7)	0.66	-0.71 (1.61)
	T/T	102.0 ± 32.8 105.0 (59.0 – 161.0)		
Total testes volume (mL)	G/G	49.4 ± 10.2 50.0 (33.0 – 70.0)		
	G/T	48.8 ± 10.5 50.0 (30.1 – 70.0)	0.0085	-1.84 (0.72)
	T/T	40.2 ± 12.9 40.5 (20.0 – 70.0)		
Semen volume (mL)	G/G	3.5 ± 1.6 3.3 (1.3 – 6.5)	0.33	
	G/T	3.5 ± 1.6	0.11 (0.11)	

		3.4 (1.2 – 6.1)
	T/T	4.2 ± 1.8
		4.3 (1.3 – 6.8)
Sperm concentration ($10^6/\text{mL}$)	G/G	83.2 ± 73.0
		65.3 (8.2 – 215.0)
	G/T	78.1 ± 80.3
		60.2 (10.2 – 200.4) 0.39
	T/T	54.1 ± 41.4
		51.7 (8.4 – 135.1)
Total sperm count (10^6)	G/G	282.4 ± 287.5
		216.1 (18.2 – 748.1)
	G/T	255.2 ± 235.3
		181.8 (25.7 – 765.3) 0.75
	T/T	249.5 ± 223.0
		185.1 (14.6 – 649.3) -4.06
		(13.35)

^a Baltic young men cohort, n=982; T-allele frequency 12.9%, HWE test $P=0.67$

^b Data presented as mean ± SD and median (5-95th percentile)

^c *FSHB* -211 T-allele effect is shown as the estimated linear regression (additive model) statistic β , standard error of the regression (SE) is shown in brackets. Significant associations ($P<0.05$) are given in bold; asterisk (*) marks P -values resistant to Bonferroni correction for multiple testing